

Title (en)
Cast reinforced bracket.

Title (de)
Gegossene verstärkte Konsole.

Title (fr)
Console renforcée coulée.

Publication
EP 0547731 A1 19930623 (EN)

Application
EP 92305592 A 19920618

Priority
US 80352591 A 19911209

Abstract (en)
A support bracket (10,50) is made of a cast material having an embedded reinforcing plate (36;62) with preformed holes (42,44,46;64) of a diameter greater than that of corresponding holes (22,24,26) drilled through the cast material. The cast material is preferably a relatively lighter and readily machinable material, such as aluminium, while the reinforcing plate is of a relatively stiffer and harder material, such as steel. The larger diameter of the reinforcing plate holes enables holes to be drilled through the support bracket without cutting into the hard material of the reinforcing plate. The reinforcing plate is advantageously configured to increase the natural frequency of vibration of the bracket. <IMAGE>

IPC 1-7
B22D 19/00; **B22D 19/02**; **F02B 67/00**; **F02B 77/00**; **F02F 7/00**

IPC 8 full level
B22D 19/02 (2006.01); **F02B 67/00** (2006.01); **F02B 77/00** (2006.01); **F02F 7/00** (2006.01)

CPC (source: EP)
B22D 19/02 (2013.01); **F02B 67/00** (2013.01); **F02B 77/00** (2013.01); **F02F 7/00** (2013.01); **F02F 2200/06** (2013.01); **F05C 2201/021** (2013.01)

Citation (search report)
• [Y] EP 0052818 A1 19820602 - NISSAN MOTOR [JP]
• [Y] PATENT ABSTRACTS OF JAPAN vol. 014, no. 399 (M-1017)29 August 1990 & JP-A-02 151 363 (MITSUBISHI MOTORS CORP) 11 June 1990

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